

BOX PATENT APPLICATION

Attorney Docket No.: 24876-A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Benjamin GEBHART

Serial No. Not yet assigned Filed: March , 2002

Title: NUCLEATE BOILING SURFACES FOR COOLING AND GAS GENERATION (Divisional of U.S. Patent Application No. 08/485,161, filed June 7, 1995, which in turn is a continuation application of U.S. Patent Application No. 07/767,227, filed on September 27, 1991, and now abandoned, which in turn is a continuation-in-part application of U.S. Patent Application 07/529,787, filed on May 25, 1990, and now abandoned, which in turn is a continuation application of U.S. Patent Application 07/409,980, filed on September 18, 1989, and now abandoned, which in turn is a continuation application of 07/159,713, filed on February 24, 1988, and now abandoned.)

TRANSMITTAL LETTER

The Commissioner for Patents Washington, D.C. 20231

Sir:

Submitted herewith for filing in the U.S. Patent and Trademark Office is the following:

- (1) Transmittal Letter;
- (2) Filing Form For Divisional U.S. Patent Application;
- (3) Divisional application including:
 - 55 Pages Application Consisting of:
 - 26 Pages of Textual Specification
 - 5 Pages of 33 Claims
 - 1 page containing the Abstract of the Disclosure
 - 1 page containing the List of Reference Numerals
 - 22 sheets of drawings
- (4) Preliminary Amendment
- (5) Executed Declaration
- (6) Revocation and Power of Attorney
- (7) Copy of Assignment with Notice of Recordation of Assignment;
- (8) Check No. 16338 \$610.00 for filing fee
- (9) Postcard for early notification of serial number.

Respectfully submitted, NATH & ASSOCIATES PLLC

By:

Gary M. Nath

Registration No. 26,965

Lee C. Heiman

Registration No. 41,827

Customer No. 20529

Date: March 6, 2002
NATH & ASSOCIATES PLLC

1030 15th Street, NW - 6th Floor

Washington, D.C. 20005

GMN/LCH/ls:DIVappl.trans





BOX PATENT APPLICATION Atty. Docket No.: 24876-A



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Benjamin GEBHART

Serial No.: Not yet assigned Filing Date: March ________, 2002

NUCLEATE BOILING SURFACES FOR COOLING AND GAS GENERATION

FILING FORM

FOR DIVISIONAL U.S. PATENT APPLICATION

Commissioner of Patents Washington, D.C. 20231

Sir:

This is a Request for filing a

___ Continuation Application under:

___ 37 CFR § 1.53(b)(1)

x Divisional Application under:

x 37 CFR § 1.53(b)(1)

Continuation-In-Part (CIP) application

____ 37 CFR § 1.53(b)(2)

of **prior** ("parent") application:

Serial No. 08/485,161

Filed:

June 7, 1995

NUCLEATE BOILING SURFACES FOR COOLING Entitled:

AND GAS GENERATION

(Which in turn is a continuation application of U.S. Patent Application No. 07/767,227, filed on September 27, 1991, and now abandoned, which in turn is a continuation-in-part application of U.S. Patent Application 07/529,787, filed on May 25, 1990, and now abandoned, which in turn is a continuation application of U.S. Patent Application 07/409,980, filed on September 18, 1989, and now abandoned, which in turn is a continuation application 07/159,713, filed on February 24, 1988, and now abandoned.)

2. *Enclosed for application under 37 CFR §§ 1.53(b) are:

33 pages of text (specification, claims, abstract)

33 claims

<u>22</u> sheets of drawings

Docket No. 24876-A

3. The **present** application names the following inventor(s):

Benjamin GEBHART

(37 CFR § 1.53--"CIP") The above-identified application (in which no payment of the Issue Fee, abandonment of or termination of proceedings has occurred) is hereby expressly abandoned as of the filing date of this new application.

The Total Filing Fee is calculated as follows:

- Enter the Amendment filed in the prior patent application on _____ prior to calculating the filing fee.
- XX Enter the enclosed Preliminary Amendment prior to calculating the filing fee.

	(Col 1)	_	(Col 2)	S
	NUMBER OF CLAIMS FILED		NUMBER OF EXTRA CLAIMS	RATE
TOTAL	28	minus 20	8	x9=
INDEP	7	minus 3	4	x42=
	BASE FILII	NG FEE:		+370=
	xx Multiple Dependent Claims			
		· · · · · ·		

SMALL ENTITY			
RATE	PBE		
x9=	72		
x42=	168		
+370=	370		
+130=	0		
TOTAL	610		

NON-SMALL ENTITY			
RATE	FEB		
x18=	0		
x84=	0		
+740≠	0		
+270=	0		
TOTAL	0		

- X Applicant(s) is/are a "small entity". A Verified
 Statement Claiming Small Entity Status:
 - X was filed in the parent application, and small entity status is still proper and desired (Rules 60, 62 only); is filed herewith;
 - will be filed at a later date.
- X A check including the above-indicated filing fee is enclosed.
- A Petition for Extension of Time (to keep the parent case pending) is enclosed, with a check including the <u>\$</u> extension fee.

		Assignment document(s) is/are submitted herewith, with a check including the recordation fee of $\$40.00$ per Assignment.			
		No check is enclosed. A Declaration and Power of Attorney will be submitted at a later date pursuant to 37 CFR §§ 1.41, 1.53, together with a check for the "Total Filing Fee" calculated above and a surcharge under 37 CFR § 1.16(e).			
	X_	The prior application is assigned of record to <u>The Trustees of the University of Pennsylvania; Philadelphia, Pennsylvania</u> , the Assignment being recorded on <u>September 27, 1991</u> , on Reel <u>5859</u> , Frame(s) <u>0922</u> .			
	X X	A copy of the original executed Declaration is enclosed. Amend the specification by inserting before the first line the sentence:			
		This application is a Divisional Application of U.S. Patent Application No. 08/485,161, filed June 7, 1995, which in turn is a continuation application of U.S. Patent Application No. 07/767,227, filed on September 27, 1991, and now abandoned, which in turn is a continuation-in-part application of U.S. Patent Application 07/529,787, filed on May 25, 1990, and now abandoned, which in turn is a continuation application of U.S. Patent Application 07/409,980, filed on September 18, 1989, and now abandoned, which in turn is a continuation application of 07/159,713, filed on February 24, 1988, and now abandoned., the entire contents of which are hereby incorporated by reference in its entirety			
•		Foreign priority under 35 U.S.C. § 119 of application(s), filed, is hereby claimed. The certified priority paper(s): was/were filed in the parent case; is/are enclosed herewith; will be submitted at a later date.			
	— appl	The power of attorney in the prior application is to The power appears in the original papers in the prior ication.			
	<u>X</u>	A copy of the new Revocation of Prior Power of Attorney and Power of Attorney filed in the prior application on February 1, 2002 is enclosed.			

X Address all future communications to:

Gary M. Nath

NATH & ASSOCIATES PLLC

1030 15th Street, N.W.- 6th Floor
Washington, D.C. 20005

- If extensions of time under 37 CFR § 1.136 other than those provided herewith are required to prevent abandonment of the parent application, then such extensions of time are hereby petitioned to allow copendency of the parent and the present continuing application. The Commissioner is hereby authorized to charge fee deficiency under 37 CFR § 1.17, or credit any overpayment, to Deposit Account No. 14-0112. A duplicate copy of this Form is enclosed.
- X The Commissioner is hereby authorized to charge any fee deficiency under 37 CFR §§ 1.16 and 1.17 which may be required, or credit any overpayment, to Deposit Account No. 14-0112. A duplicate copy of this Form is enclosed.

Respectfully submitted,

NATH & ASSOCIATES PLLC

Date: March 6 , 2002

Gary M. Nath

Registration No. 26,965

Lee C. Heiman

Registration No. 41,827

Customer No. 20529

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GMN/LCH/ls:Cont.App

BOX ISSUE FEE Attorney Docket No. D0934-00035

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Benjamin Gebhart

Filed: June 7, 1995

Serial No.: 08/485,161

Examiner: John K. Ford

Group Art Unit: 3743

NUCLEATE BOILING SURFACES FOR COOLING AND GAS GENERATION

TRANSMITTAL LETTER

Commissioner for Patents Washington, D.C. 20231

Sir:

For:

Submitted herewith for filing in the U.S. Patent and Trademark Office are the following documents:

(1) Transmittal Letter; and

(2) Revocation of Prior Power of Attorney and Power of Attorney.

The Commissioner is hereby specifically authorized to charge any required fee, or credit any overpayment, in connection with this matter to deposit Account No. 14-0112.

Respectfully submitted,

NATH & ASSOCIATES PLLC

Date: February 1, 2002

By:

Gary M. Nath

Reg. No. 26,965

Lee C. Heiman Reg. No. 41,827

Customer No. 20529

NATH & ASSOCIATES PLLC

1030 15th Street, N.W.,

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GMN:LCH RevokePOA.tl.wpd

16,910-C USA

1991 E

SIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Benjamin Gebhart

Serial No.: N/A

Examiner: N/A

Filed: Herewith

Group Art Unit: N/A

For:

NUCLEATE BOILING

SURFACES FOR COOLING AND GAS

GENERATION

"EXPRESS MAIL" MAILING LABEL NO. BJ4 / 100 40

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 C.F.R. 1.10 ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231

(SIGNATURE)

Box Patent Application The Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

NEW PATENT APPLICATION TRANSMITTAL LETTER

Dear Sir:

Transmitted herewith for filing is a new patent

application, together with the following papers and documents:

[XX] A Certificate of Express Mail (No. <u>B24777604W</u>)

[XX] 33 pages of the above-identified patent application, including the claims

[XX] <u>22</u> sheets of <u>informal</u> drawings

[XX] An <u>executed</u> Combined Declaration or Oath and Power of Attorney

[XX] An Associate Power of Attorney 93226547

[XX] An Assignment of the invention to <u>The Trustees of</u>

the University of <u>Pennsylvania</u>

060 MC 10/03/91 07767227

	[XX] A check in the amount of $\$8.00$ to cover recordation of the Assignment
[XX] ·	Information Disclosure Statement
(XX)	Form PTO-1449 (Modified), submitted in duplicate
[XX]	References
[]	Preliminary Amendment
[XX]	Verified Statement establishing Small Entity status pursuant to 37 C.F.R. §1.9 and 37 C.F.R. §1.27

The filing fee has been calculated as shown	below:
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			SMALL	ENTITY		OTHER SMALL	THAN ENTITY
FOR:	NO. FILED	NO. EXTRA	RATE	FEE	<u>or</u>	RATE	FEE
BASIC FEE				\$ 315	<u>OR</u>		\$ 630
TOTAL CLAIMS	33 - 20 =	13	x 10=	\$ 130	<u>OR</u>	x 20=	\$
INDEP. CLAIMS	5 - 3 =	2	x 30=	\$ 60	OR	x 60=	\$
FIRST PRESENTATION	MULTIPLE DEP	ENDENT CL	AIM+100=	\$	<u>OR</u>	+200=	\$
			TOTAL	\$ 505	<u>or</u>		\$

- [] Please charge my Deposit Account No. 19-5425 in the amount of \$_____. A triplicate copy of this transmittal is attached.
- [XX] A check in the amount of \$505.00 is enclosed. Please charge any deficiency or credit any overpayment to Deposit Account No. 19-5425.
- [XX] The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 19-5425. A triplicate copy of this transmittal is attached.

REEL 5859 FRANC92

- [XX] Any additional filing fees required pursuant to 37 C.F.R. §1.16 including fees for presentation of extra claims.
- [XX] Any patent application processing fees pursuant to 37 C.F.R. §1.17 and under 37 C.F.R. §120(d).

Dated: 9.27.91

Peter J. Cronk

Respectfully

Registration No. 32,021

SYNNESTVEDT & LECHNER 2600 One Reading Center 1101 Market Street Philadelphia, Pennsylvania 19107

(215) 923-4466